

STANDARD

■ Federal Mil A-A-59326A

The standard for cam & groove couplings is based on the US Military Specification Mil-C-27487. The Mil-C-27487 specified the casting methods, materials, dimensions, tolerances, pressure ratings and inspection procedures. In 1998, the original Mil-C-27487 specification was replaced by a new Federal Military standard: A-A-59326A. Federal Mil A-A-59326A guarantees interchangeability of couplings designed to the same specification.

Interchangeability with other brands

Between manufacturers cam & groove couplings are interchangeable with the exception of 1/2" (12.7 mm), 5" (127 mm) and 8" (203.2 mm).

The A-A-59326A Mil-specification does not apply to 5" and 8" cam & groove couplings, due to the presence of two versions of cam & groove couplings in today's market.

Limitations: Hose shanks with larger serrations are not designed to be assembled with a ferrule or sleeve. Hose damage can result if they are swaged. The larger shank serrations will cut into the inner wall of the hose resulting in leakage or permanent hose failure.

N.B.: Cam & groove couplings must never be used for steam or compressed air applications.

■ EN 14420-7

The European standard EN 14420-7 was approved by CEN in September 2004, and was applied to cam & groove couplings manufactured to American "military specification" MIL-C-27487 / A-A-59326A. This American standard does not apply to the hose connection side, but only to the coupling side.

Cam & groove couplings produced to EN 14420-7 are interchangeable with those produced to the original MIL-C-27487 standard, but differ in terms of hose tail design, thread, part number etc. A flat thread seal has been added to the female threaded parts, and a smooth hose shank complying with EN 14420-2 / DIN 2817 has been added for assembly with RK safety clamps complying with EN 14420-3 / DIN 2817.

N.B.: European standard EN 14420-7 replaces DIN 2828 but does not replace MIL-C-27487 and Federal Mil A-A-59326A.

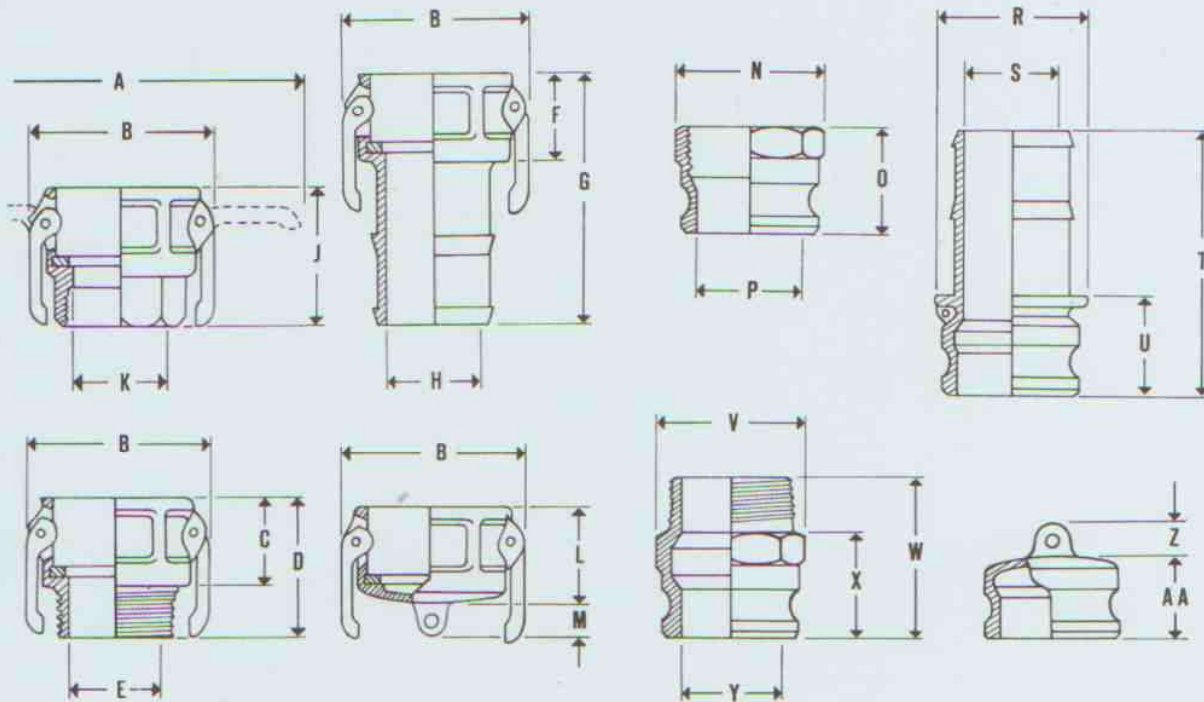
■ DIN 2828

Couplings produced to DIN 2828 are interchangeable with those produced to the original MIL-C-27487 standard, but differ in terms of hose tail design, thread, part number etc. A flat thread seal has been added to the female threaded parts, and a smooth hose shank complying with DIN 2817 has been added for assembly with RK safety clamps complying with DIN 2817.





DIMENSIONS



ND	Inch	A	B	C	D	E	F	G	H	J	K	L
13	1/2"	30	40	31	46	13	31	66	10	46	14	33
20	3/4"	115	50	33	49	19	55	85	14	49	21	34
25	1"	138	62	40	60	24	40	98	20	60	26	41
32	1.1/4"	178	81	46	68	31	46	104	26	70	35	48
40	1.1/2"	185	87	48	70	38	48	109	32	73	38	50
50	2"	195	90	54	79	48	54	124	43	79	46	57
65	2.1/2"	208	111	55	85	62	55	135	54	87	56	59
80	3"	250	143	57	90	75	57	159	66	92	73	62
100	4"	270	171	61	101	100	61	169	89	101	98	65
125	5"	300	-	61	101	122	61	188	118	105	128	65
150	6"	400	254	67	112	150	67	240	140	111	144	73

M	N	O	P	S	T	U	V	W	X	Y	Z	AA
13	24	37	14	10	62	28	24	52	37	14	4	26
13	32	40	19	14	76	25	32	57	40	19	10	26
13	43	48	23	19	92	36	43	69	49	23	10	23
13	50	55	28	25	98	41	58	77	55	28	10	40
13	56	36	36	31	102	44	56	78	56	36	10	42
13	68	62	46	43	117	49	68	87	62	46	10	48
13	85	86	56	56	129	51	85	98	68	56	10	49
13	102	88	73	64	153	51	102	108	70	73	10	51
13	126	78	98	89	168	55	126	118	78	98	12	53
13	-	83	118	118	188	56	-	103	63	118	12	58
16	-	82	150	138	230	60	-	108	68	150	12	58

Dimensions in mm and are given as illustration only.

